SWNT + R 
$$\longrightarrow$$
 NH<sub>2</sub>  $\xrightarrow{\text{Stir bar} \text{no solvent} \atop \text{RO}^{\circ}\text{C}, 1 \text{ h}}$   $\longrightarrow$  R = CI, Br, t-butyl, CO<sub>2</sub>CH<sub>3</sub>, NO<sub>2</sub>

Fig. 1

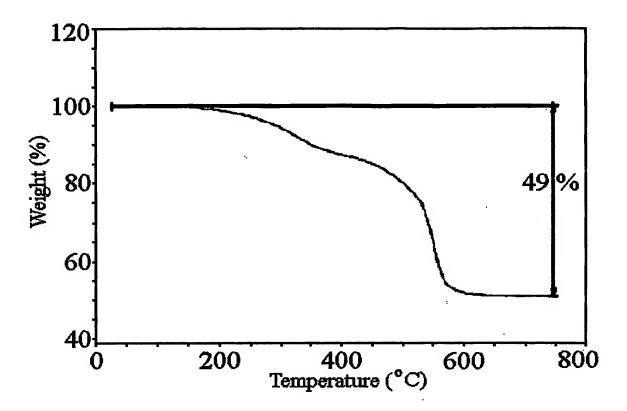


Fig. 2

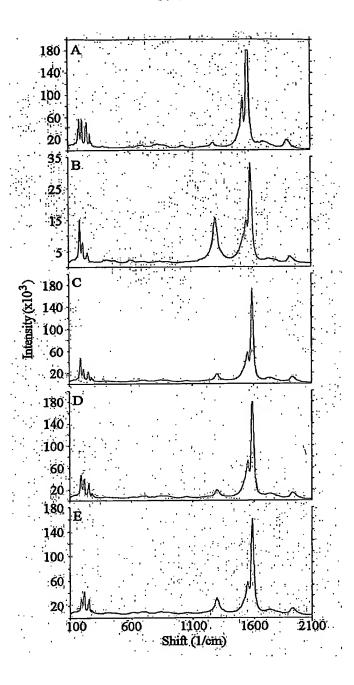


Fig. 3

$$C(CH_3)_3 = C(CH_3)_3 + C(CH_3)_3$$

$$C(CH_3)_3 + C(CH_3)_3$$

Fig. 4